ALPHA/BETA ANALYSIS RESULTS SUMMARY

Method 900.0/9310 (Modified)

Lab Name: Paragon Analytics, Inc.

Date Collected: 04/06/2000

Client Name: URS Operating Services

Date Analyzed: 04/13/2000

Client Project ID: Rocky Flats Grass Burn

Sample Matrix : Filter .

Lab Sample ID Series: 00-04-058

Count Duration: 1000 Min.

Analyzed By : MCG

Client Sample ID	Lab Sample ID	Gross Alpha (pCi/filt)	Gross Beta (pCi/filt)
RF-1	04-058-01	20.2 ± 2.9	9.8 ± 1.4
RF-2	04-058-02	0.84 ± 0.86	4.2 ± 1.2
RF-3	04-058-03	1.1 ± 1.3	1.5 ± 1.3

Reported Uncertainties are the Estimated Total Propagated Uncertainties (2σ) . See PAI SOP743R1 for TPU determinations.

Reported Activities are the calculated net activities, not truncated or censored by an a priori detection limit estimate. Sample results should be compared to the decision level calculated from the appropriate blank.

These samples were prepared using PAI SOP702R12 and analyzed using PAI SOP724R5.

Remarks:

Units are pCi/filter.

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To: Batrick Haines
9663578
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ALPHA/BETA ANALYSIS MDA SUMMARY

Method 900.0/9310 (Modified)

Lab Name: Paragon Analytics, Inc.

Date Collected: 04/06/2000

Client Name: URS Operating Services

Date Analyzed : 04/13/2000

Client Project ID: Rocky Flats Grass Burn

Sample Matrix : Filter

Lab Sample ID Series: 00-04-058

Count Duration: 1000 Min.

Analyzed By : MCG

Client Sample ID	Lab Sample ID	Gross Alpha MDA (pCi/filt)	Gross Beta MDA (pCi/filt)
RF-1	04-058-01	0.69	0.78
RF-2	04-058-02	1.4	1.6
RF-3	04-058-03	2.2	2.2

Reported Uncertainties are the Estimated Total Propagated Uncertainties (2σ) . See PAI SOP743R1 for TPU determinations.

These samples were prepared using PAI SOP702R12 and analyzed using PAI SOP724R5.

Remarks:

Units are pCi/filter.

Sample Results Summary

Cifent Name: URS Operating Services, Inc.

Client Project Name: Rocky Flats Grass Burn

Client Project Name: Nocky Flats 578 Clent Project Number: 75-00402

Laboratory Name: Peragon Analytics, Inc. PAI Work Order: 0004058

Page: 1 of i Reported on: Thursday, April 13, 2000 11:21:38

Lab Sample 10	Client Sample 10	Test	Nucilde	Result 4- 2 s TPU	MDC	Units	Matrix	Prep Batch	Date Analyzed	Flags
0004058-1	RF-1	OSI-N	U-234	0.28 ++ 0.17	0.19	SCis	Filler	AS03351	4/12/2000	17
0004058-1	RF-1	081-0	U-235	(0.11 +1- 0.13	0.21	pCl/s	E F	AS03351	4/12/200D	Э.
0004058-1	RF-1	U-ISO	U-238	0.16 +/- 0.11	0.048	pCis	Filler	AS03351	4/12/2000	5
0004058-2	RF-2	U-ISO	U-234	0.43 +/- 0.20	0.17	pCl/s	FÜR	AS03351	4/12/2000	-
0004058-2	RF-2	0-180	U-235	0.02 ++ 0.12	0.24	pCI/S	FIRE	AS03351	4/12/2000	ם
0004058-2	RF-2	0480	U-238	0.06 +1- 0.14	0.26	왕	Filter	A\$03351	4/12/2000	5
0004058-3	RF-3	U-ISO	U-234	0.18 + 0.18	0.28	bCils	Filer	AS03351	4/12/2000	Э
0004058-3	RF-3	OSI-N	U-235	0.04 +1- 0.13	0.26	జ్ఞ	Filter	AS03351	4/12/2000	כ
0004058-3	RF-3	OSI-N	U-238	0.18 +/- 0.15	0.22	PCIS	Filder	AS03351	4/12/2000	-

Comments:

Data Package ID: UF0004059-1

Qualifiers (Flags:

Result is less than the sample specific minimum detectable activity.

LT - Rescul is here than Asquires led NDC, greeter than to mple specialic MDC.

R Y2 - Chemiter Yield outside defeat findle.

TPU - Total Propagated Unominitry (see PAI 90P 143) MDC - Starteum Ontochtibe Omeranimiten (see PAI 90P 709)

: C Paragon Analytics Inc.

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-- MDC - Missieum Delectable Concentration (see FA) 50P. 709) --TPU - Total Propereisd Uncertainty (see PAL SOP 743)

Abbrovisions:

Sample Results Summary

Client Name: URS Operating Services, Inc.

Laboratory Name: Paragon Analylics, Inc. PAI Work Order: 0004058

Reported on: Thursday, April 13, 200D 11:21:38 Page: 1 of 1

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20:13:14		Prep Batch			AS03351		AS03351	A CANDEA	ASUSSO	Pagada	ASU3331		AS03351		AS03351			
•		Matrix			Filter		Filter		Filter		Filter		Filter		Filter			
		. (faffs			DCifs		SI)		SCIS	. !	DCivs		ncits		S.C.			
٠		207			0 10	?	0.047		0.14		71.0	<u>:</u>	AC 0	0.44	50.0	67.0		
PAI WOLK OLDS			Result +/- 2 s TPU			0.017 + 0.090	. A 07.7	0.067 ++ 0.077		0.092 +/- 0.096	The state of the s	0.018 +/- 0.081		-0.02 +1- 0.11		0.09 +/- 0.13		
			Muclide			Q-1.23R		Pu-239		P.C.23B		0.00	L Lineton	926	067-04	0.00	2	
Burn			100	200		9.11	Delad	Collica	25	000	P0-190	1	PU-ISO		PU-ISO	3	PG-130	
Client Name: One operations	75.00402	amber: 13-cc		Client Sample ID			RF-1				RF-2		RF-2		RF-3		AF-3	
Client Project	The International Control	Client Project Number: 125		1 34	Tario D	Sample	0004058-1		0004058-1		0000058-2	2005	2004049.2	2004000	P 90406	0.004030	C.R. JANAANS	20000

Comments:

Data Package (D: PUF0004058-1

LY - Reput to less then Requested MDC, greater than sample appointed MDC.

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Paragon Analytics Inc.

Sample Results Summary

Cilent Name: URS Operating Services, Inc.

Citent Project Name: Rocky Flats Grass Burn

Citent Project Number: 75-00402

Laboratory Name: Paragon Analytics, Inc. P.A. Work Order: 0004058

Page: 1 of 1 Reported on: Wednesday, April 19, 2000 11:06:10

Lab	Client Sample ID	Test	Nucfide	Result +/- 2 s TPU	MDC	Units	Malrix	Units Malrix Prep Batch	Date Analyzed	Flags
Sample ID								ANDREA	440/2000	=
0004058-1	RF-1	AM-241	Am-241	0.14 +/- 0.14	0.21	Sign -	7.11cm		אנומצממם	• - -
0004058-2	RF-2	AM-241	Am-241	0.72 +/- 0.13	0.13	pCi/s	Filter	A\$03351	4/18/2000 LT	ב
0004058-3	RF-3	AM-241	Am-241	0.27 ++ 0.16	0.17	pcks	Filter	AS03351	4/18/2000	בו

Comments:

Data Package ID; AMF0004058-1

Qualitiens/Elags:

Result is test than the sample upgotto minimum detectable edthily.

1.1. Result is less than Respected MDC, greater than sample aposition MDC.

F: Y2 - Chemical Yield autside default ifraks.

Abbravisticus:
TPU - Total Propesti ed Ubocriteinty (see PA) 50P 743)
ABDC - Minimus Delactrisis Democriteica (see PA) 90P 708)

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